

CAPITAL REQUEST APPROVAL FORM

Original [X] Revision []

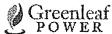
Location:	Desert View Power	Project Number:	3029-00-176
Project Name:	Ash Pug Mill Replacement	Project Type:	
Project Description Summary -	Purpose and Benefit:		
transferring the ash from the sill original installed equipment, an pug mill has worn to the point the	o to dump trucks for transportated has been in continuous operated the mill barell started leaking	sal. The ash pug mill is the singletion to the disposal sites. The as ation since the plant became opeg in several locations, and the mirallure of the ash pug mill would	h pug mill is the rational. The ash Il paddle mixer
Submitted By: Date Submitted: Budgeted Project: Yes[X] If yes, \$ Amount in Annual Bud	R. Huffman 12/15/2016 No [] get (\$000): \$80	Project Start Date: Construction Start Date: Service Start Date: Project Completion Date:	Nov-16 Nov-16 Dec-16 Dec-16
	PROJECT COST ES	STIMATE.	## P P P P P P P P P P P P P P P P P P
Materials and Outside Labor (D		Amount	<u>Total</u>
Ash Pug Mill Installation labor	Subtotal-Materials and Outside	\$ 57,900 \$ 33,642	\$ 91,542
Other Project Costs (Description			0 01,012
The state of the s	Subtotal-Other Project Cost	\$	\$
	SUBTOTA	AL.	\$ 91,542
Engineering	0.0%		44
Contingency and Estimating Allowance			•
Interest During Construction	0.0%		
	SUBTOTA	AL.	\$ -
TOTAL ESTIMATED COST OF PROJECT			\$ 91,542
APPROVALS:	Signature and Date		
Board Member President Controller Senior VP, Operations Plant Manager Originator	Hay Sth James against James against B	Jse Only:	
[] Project Approved [] Further Action Required:	[] Project De		



CAPITAL REQUEST ANALYSIS FORM

Original [X]

Revision [Location: **Desert View Power** Project Number: Project Name: Ash Pug Mill Replacement Project Start Date: Nov-16 18 MONTH CASH FLOW AND PROJECT COMPLETION SCHEDULE: Carryover Nov-16 Dec-16 Jan-17 Feb-17 Mar-17 Apr-17 Expenditures (\$ 000) 34 58 Cumulative % Complete 0% 100% 100% 100% 100% 100% 100% May-17 Jun-17 Jul-17 Aug-17 Sep-17 Oct-17 Nov-17 Expenditures (\$000)Cumulative % Complete 100% 100% 100% 100% 100% 100% 100% Dec-17 Feb-18 Mar-18 Apr-18 Forward TOTAL Jan-18 Expenditures (\$ 000) 92 Cumulative 100% 100% 100% 100% % Complete 100% FINANCIAL IMPACT SUMMARY: (Derived from Proforma Income Statement) Debt Coverage Average **Annual Savings** Debt Coverage Minimum Increase in annual volume: Sales **Equity Payback** R.O.A. before tax I.R.R. after tax Change in energy efficiency



CAPITAL REQUEST NARRATIVE SUMMARY

Original [X]

Revision [] Location: **Desert View Power** Project Number: Project Name: Ash Pug Mill Replacement Project Start Date: Nov-16 Background: The Ash Pug Mill is an original equipment installation. The Pug Mill has reached the end of its useful life. In 2015 & 2016 we have had multiple failures of the pug mill rotating element, bearings, seals, and the housing has been patched several time due to erosion of the mill barell. The Ash Pug Mill is the single method for unloading ash from the Ash Silo. The Ash Pug Mill was budgeted and scheduled for replacement in either the 3rd or 4th Quarter of 2016. The new ash pug mill assembly was received in November and installed. Description: There is a single Ash Pug Mill to unload all fly ash collected by the bag houses and stored in the Ash Silo. The Ash Pug Mill mixes the dry ash with water to allow non-dusty unloading of the ash into trucks for transport to disposal. This is a single point piece of equipment for dust less unlaoding of fly ash for disposal. If the ash pug mill failed, the only other method of emptying the fly ash silo is through an elephant snout tube into tanker trucks equiped for dry powder transfer. The ash disposal sites will not accept dry ash from the tanker trucks due to severe dusting during spreading at the disposal sites. Implementation: DVP will purchase a new Ash Pug Mill to replace the failing existing Ash Pug Mill. The new mill will be a "like kind" replacement that will require minor inlet & outlet modifications but provide full design throughput of ash for unloading. Capital Cost: The capital material cost is for the procurement, fabrication to original manufacturer specification, and transportation of the Ash Pug Mill to to DVP. The project labor, equipment, tools, & consumables cost includes all preparation, demolition, installation, proof testing, and clean-up necessary to replace the Ash Pug Mill. Benefits: DVP expects to avoid boiler de-rates and forced outages caused by the failing Ash Pug Mill. The new equipment will will be sufficient for the task.